

Bruhat Bangalore Mahanagara Palike

Name of Work : Maintenance of Office Building in Chowdeshwari Ward no-2 of Yelahanka Sub Division

							Estimate Cost	2000000.00	
SI No	Description of Item	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
1	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge..(PWD SR 2021-22 Vol -II Pg 76 item no 11.6.1)								
	shuttering door for Basement	Sqm	1	3.70		2.5	9.25		
	Basic rate							2,510.00	
	Area weightage 10%							251	
	Total						9.25	2761	25539.25
2	Finishing with Epoxy paint (two coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 47 item no 8.36.1)								
	Inside Painting for Basement								
	longer direction	Sqm	2	19.81		3.2	126.784		
	Shorter direction	Sqm	2	15.24		3.2	97.536		
	Ceiling	Sqm	1	19.81	15.24		301.9044		
	Basic rate							138.00	
	Area weightage 10%							13.8	
	Total						526.22	151.8	79880.86
3	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 133 item no 15.1)								
	For BBMP office Terrace	Sqm	1	15	19.60		297.92		
	Deduction								
	Head Room	Sqm	-1	5	4.90		-26.166		
	terrace oping	Sqm	-1	2.05	2.08		-4.264		
	Basic rate							745.00	
	Area weightage 10%							74.50	
	Total						267.49	819.50	219208.06
4	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding (PWD SR 2021-22 Vol -II Pg 85 item no 11.34A)								
	Grills opposite to Head room								
	Terrace building longer side	Kg	1			231	231		

Terrace building Shorter side	Kg	1	4.4*2.1*25=231	231	231		
North side room			4.4*2.1*25=231				
Longer side	Kg	1		257.25	257.25		
Shorter side	Kg	1	4.9*2.1*25=257.25	204.75	204.75		
South side room			3.9*2.1*25=204.75				
longer side	Kg	1		244.125	244.125		
Shorter side	Kg	1	4.65*2.1*25=244.125	212.1	212.1		
Basic rate			4.04*2.1*25=212.1			147.00	
Area weightage 10%						14.70	
Total						1380.23	223182.38

- 5 Supplying exhaust fan of 1440 RPM of 300 mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.(PWD Electrical 2021-22 page no 22 item no 6.1)

Ground Floor							
AEE office							
Toilet	Each	1			1		
General Toilet							
Gents Toilet	Each	1			1		
Ladies Toilet	Each	1			1		
Carpenter Room Toilet							
Toilet	Each	1			1		
First Floor							
EE Office							
Toilet	Each	1			1		
General Toilet							
Ladies	Each	1			1		
Gents	Each	1			1		
Second Floor							
Meeting Hall	Each	1			1		
General Toilet							
Ladies	Each	1			1		
Gents	Each	1			1		
Basic rate						1542	
Total					10.00	1542	15420.00

- 6 Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. 48" Sweep (1200 mm) Regular model(PWD Electrical 2021-22 page no 22 item no 6.3.1)

Ground Floor							
AEE Office	Each	1			1		
AE Room	Each	2			2		
Hall	Each	2			2		
First Floor							
Staff Room	Each	1			1		
Account Section	Each	1			1		
Hall	Each	2			2		
Second Floor							
Hall	Each	2			1		
Health Office Room	Each	1			1		
Meeting Hall	Each	2			2		

Basic rate							2085	
Total						13.00	2085	27105.00

Supplying, erecting, testing & commissioning of OFF- LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with all accessories complete and Excluding batteries and wiring complete. 3 kVA OFF LINE UPS (PWD Electrical 2021- page no 29 item no 9.2.4)

AEE Room	Each	1				1		
EE Office	Each	1				1		
Basic rate							31072	
Total						2.00	31072	62144.00

- 8 Supplying of feet -PVC Batten with integrated LED tube W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fitting 1 x 2' - 9/10 W (PWD Electrical 2021- page no 34 item no 11.3.1)

Ground Floor								
AE Rooms	Each	3				3		
General Toilet								
Ladies Toilet	Each	1				1		
Gents Toilet	Each	2				2		
Corporater room	Each	1				1		
Adhar Room	Each	1				1		
Second Floor								
Staff Room	Each	1				1		
Account Section	Each	2				2		
Establishment Room	Each	3				3		
Hall	Each	2				2		
Geneeral Toilet	Each	2				2		
Second Floor								
Hall	Each	1				1		
Health Room	Each	1				1		
Meeting Hall	Each	2				2		
General Toilet	Each	2				2		
Basement	Each	5				5		
Basic rate							496	
Total						29.00	496	14384.00

- 9 Supplying and fixing of slim box fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Fluorescent Tube. 1 x 4' Tube light fitting. (PWD Electrical 2021-22 page no 38 item no 11.14.2)

Ground Floor								
AE Room	Each	3				3		
General Toilet	Each	1				1		
Adhar Room	Each	1				1		
Hall	Each	6				6		
First Floor								
Staff Room	Each	1				1		
Account Section	Each	2				2		
Establishment Room	Each	2				2		
EE Office Room	Each	1				1		
Geneeral Toilet	Each	2				2		
Second Floor								
Hall	Each	4				4		
Health Room	Each	1				1		
Meeting Hall	Each	3				3		
General Toilet	Each	1				1		
Near entrance door	Each	2				2		
Basement	Each	5				5		

	Near Stair case	Each	3				3		
	Basic rate							324	
	Total						38.00	324	12312.00
10	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern (PWD SR 2021-22 Vol -II Pg 133 item no 14.4.1)								
	General Toilet 1	each	1				1		
	General Toilet 2	each	1				1		
	Basic rate							3,536.00	
	Area weightage 10%							353.60	
	Total						2.00	3889.60	7779.20
11	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend. (PWD SR 2021-22 Vol -II Pg 129 item no 14.35.1)								
	Ground floor								
	AEE office Room								
	W.C	each	1				1		
	General Toilet						1		
	Ladies Toilet		1				1		
	Gents Toilet	each	1				1		
	Second Floor								
	EE Office room								
	W.C	each	1				1		
	General Toilet						1		
	Ladies Toilet		1				1		
	Gents Toilet	each	1				1		
	First Floor								
	Meeting Hall								
	W.C	each	1				1		
	General Toilet						1		
	Ladies Toilet		1				1		
	Gents Toilet	each	1				1		
	Basic rate							6,775.00	
	Area weightage 10%							677.50	
	Total						9.00	7,452.50	67072.50
12	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (PWD SR 2021-22 Vol -II Pg 75 item no 11.3)								
	For Main door	Sqm	1	2.91		2.700	7.857		
	West side Door (Back side door)	Sqm	1	3.70		2.500	9.25		
	Basic rate							6,563.00	
	Area weightage 10%							656.3	
	Total						17.11	7219.3	123500.57
13	HP 200 Pro G4 22 All in one 10th Generation Intel Core™ i5 processor(8GB GB DDR4/1 TB /256GB SSD/Windows 10) complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								

Computer		No	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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20	Office Almirah -Four shelves	each	10				10		
	Basic rate							16250	
	Total						10.00	16250.00	162500.00
AHUJA BTA 660 PORTABLE SPEAKER WITH BLUETOOTH, USB, RECORDING AND 2 WIRELESS MIC complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)									
21	Ahuja BTA 660 portable speaker	each	1				1		
	Basic rate							21876.4	
	Total						1.00	21876.40	21876.40
Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 1500x450 mm 14.32.4 (PWD SR 2021-22 Vol -II Pg 129 item no 14.32.4)									
21	AEE office Room Toilet	each	1				1		
	General Toilet 1								
		each	1				1		
	EE office Room Toilet	each	1				1		
	Carpenter room Toilet	each	1				1		
	Meeting hall toilet	each	1				1		
	Basic rate							1,476.00	
	Area weightage 10%							147.6	
	Total						5.00	1,623.60	8118.00
22 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps (PWD SR 2021-22 Vol -II Pg 124 item no 14.7.1)									
22	EE office Room Toilet	each	1				1		
	AEE office Room Toilet	each	1				1		
								2,529.00	
	Basic rate							252.9	
	Area weightage 10%						2.00	2781.9	5563.80
23	Total								
	Rubber door mats. complete as per specification and Directions of Engineer In Charge. (Data rate to be approved)								
	Door mats	each	20.00				20		
								325	
24	Basic rate						20.00	325	6500.00
	Total								
	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 g 14.40.1 (PWD SR 2021-22 Vol -II Pg 130 item no 14.40.1)								
	AEE Office Room Toilet	each	1.00				1		
25	EE Office Room Toilet	each	1.00				1		
								356	
	Basic rate							35.6	
	Area weightage 10%						2.00	391.6	783.20
25	Total								
	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) (PWD SR 2021-22 1st Corrigenda Vol II.SI No.12.Item No 13.34).								
	Simtex tank	ltr	3000				3000		
								8.00	
25	Basic rate							0.80	
	Area weightage 10%						3000.00	8.80	26400.00
	Total								

Providing and laying non-asbestos high impact polypropylene reinforced corrugated cement roofing sheet reinforced with a blend of strong factory made fibers as per IS:14871 and ISO:9933:1995(E) roofing upto any pitch and fixing with polymer coated J or L hooks,bolts and nuts 8mm dia,G.I plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete but excluding the cost of purlins, rafters and trusses.Including cutting to size and shape of corrugated sheets wherever required.and cost of materials, labour, complete as per specifications with Natural Grey colour.7.45.1

South side widows	m2	12	1.90	0.70		15.96		
	m2	3	1.00	0.70		2.1		
North side widows	m2	12	1.90	0.70		15.96		
	m2	3	1.00	0.70		2.1		
West side windows	m2	6	1.90	0.70		7.98		
	m2	3	1.00	0.70		2.1		
East side windows	m2	6	1.90	0.70		7.98		
Basic rate							503	
Area weightage 10%							50.30	
Total						54.18	553.30	29977.79

27	House keeping materils for BBMP Office cleanig work Products are approved by market rate							
	Phenoil scented						1000	
	Soap Oil						1000	
	Acid						1000	
	Urinal Cake						300	
	Hand Glows						1000	
	Bleaching powder						500	
	Hand wash liquid						1000	
	Floor cleaner						1000	
	Broom						500	
	For one month					Total	7300	
	TOTAL					for 12 months		87600.00

House keeping materils for BBMP Office cleanig work Products are approved by market rate								
	Dust bin						2500	
	Small bucket 12ltr						2000	
	Toilet cleaning brush						1000	
	Mug						500	
	Wiper big steel pipe						500	
	Buckets 25 ltr						1000	
	Mop cleaner						1200	
	Shoes						900	
						Total	9600	
	TOTAL					for 12 months		9600.00

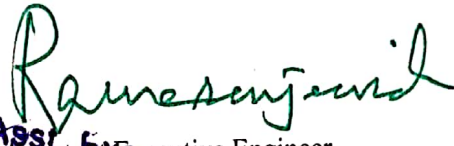
Total Amount	1694645.01
GST Charges (18% of estimated cost)	305036.10
Miscellaneous and rounding	318.89
Total Amount	2000000.00

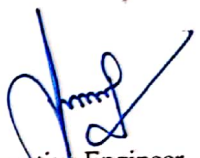
(Twenty Lakhs Only)

CERTIFICATE:

- 1) The work spot has been inspected and found to be necessary
- 2) The work spot comes under B.B.M.P
- 3) The provisions made in the estimate are necessary and minimum.
- 4) The estimate is based on S.R of 2021-2022, PWD Electrical SR 2021-22, Data Rates, Issued Rates and Corrigenda 1 & 2.


 Assistant Engineer
 BBMP


 Assistant Executive Engineer
 BBMP
 Yelahanka Sub. Division
 (BBMP Ynk. Zn)
 Yelahanka, Bangalore


 Executive Engineer
 BBMP

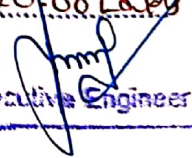
Administrative Approval
 Accorded For 20.00 Lakhs
 Head of A/C. P-3726
 CER NO : 47 Dt: 22/8/2022



 Assistant Engineer
 BBMP

TECHNICALLY SANCTIONED FOR Rs. 20.00 Lakhs
 Rupees Twenty Lakhs Only

Under P-3726
 Zonal Public Works.
 Registered as CE () No. 9 9
 Subject to conditions contained in
 enclosed memo EE () No. 26 /9/
 Dt. 22/8/2022 Estimate A/ Sanctioned
 EE/YNK-01/TS/26/2022-23 No. 26
 Dated 22/8/2022 Rs. 20.00 Lakhs


 Executive Engineer
 BBMP